TANNOY®

ALL WEATHER

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i5 AW

The Tannoy i5 AW is a high quality All Weather installation loudspeaker based around a 127mm (5") point source ICT™ transducer. Suited to a wide range of applications, the i5 AW consistently delivers a powerful performance under a wide range of conditions. The cabinet is weatherproof to IP33CS in EN60529.

The design of the ICT drive unit addresses the two most common component failures experienced in background music and sound reinforcement systems: the tweeter and the crossover. ICT or Inductive Coupling Technology uses a wireless electromagnetic tweeter that does not require a crossover and cannot be burned out from heavy use or misuse. The ICT driver uses a plastic cone and nitrile rubber surround, further enhancing durability and long term reliability. The 90° conical dispersion of the point source ICT driver allows either vertical or horizontal mounting without compromising sound quality.

The optimally tuned, moulded polypropylene enclosure maximizes bass response and tonal balance. The transformer and low impedance settings on the i5T AW (30, 15, 7.5 3.75 Watts) are selectable via a rotary switch on the front baffle.

For simple and effective installations, there is a choice of the MB5Y and MB5B hardware options allowing the loudspeaker to blend into almost any setting.

The i5 AW is available in Black or White in these versions: the i5 AW for use in 6ohm operation and the i5T AW, supplied with a THP 30 Watt transformer for use in 70.7V or 100V line systems.

FRONT DETAIL

YOKE BRACKET

GIMBAL BRACKET

DRIVER DETAIL

ALL WEATHER

TECHNICAL SPECIFICATIONS

i5 AW

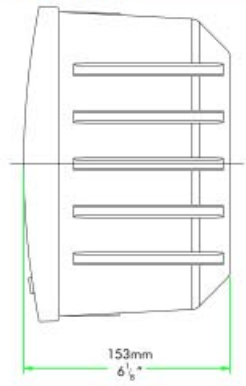
SYSTEM

System Type		All Weather Loudspeaker
Frequency Response (1)	+/- 3dB -10dB	80Hz - 22kHz 72Hz
Recommended Amplifier Power		20 - 100 Watts / 6
Power Handling (2)	Anechoic Programme Half Space	50 Watt 100 Watt 200 Watt
Sensitivity 2.83 Volts @ 1 metre (3)	Anechoic Half Space	90dB 93dB
Maximum SPL	THP 30 Transformer Low Impedance	105dB (average) 107dB (average) 113dB (peak)
Impedance		6
Wattage Tap Selections	i5T AW	30, 15, 7.5, 3.75 Watts
Dispersion	See Beamwidth Plot	90° Conical
Driver Complement		1 x 127mm (5") ICT™ Point Source
Crossover		7kHz - Inductively Coupled

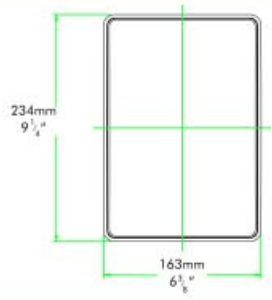
CONSTRUCTION

Enclosure		4.6 litre polypropylene
Finish		Black or White
Connectors		2 x 4mm binding posts
Fittings		2 x yoke fixing points 1 x mounting plate for MB5B
Mounting Options	MB5Y MB5B	Yoke Bracket Ball joint (gimbal) bracket
Dimensions		234 x 163 x 153mm ($8\frac{7}{8}$ x $6\frac{3}{8}$x $6\frac{1}{8}$")
Weight (each)	i5 AW i5T AW	2kg (4lbs 8oz) 2.4kg (5lbs 5oz)
Shipping	Quantity i5 AW i5T AW Pack Dimensions	2 4.5kg (9lbs 15oz) 5.7kg (12lbs 9oz) 385 x 290 x 235mm ($15\frac{1}{8}$ x $11\frac{3}{8}$ x $9\frac{1}{4}$")

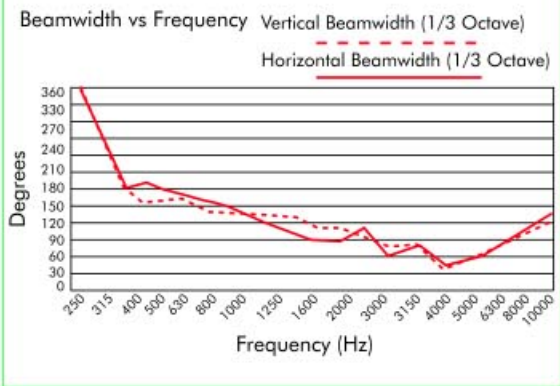
SIDE ELEVATION



FRONT ELEVATION



BEAMWIDTH PLOT



NOTES: (1) Average over stated bandwidth. Measured at 1 metre on axis. (2) Long term power handling capacity as defined in EIA standard RS - 426A.
(3) Calculated input, measured at 1 metre in an anechoic chamber

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

i5 AW

APPLICATIONS

- Foreground music & paging systems
- High level music and speech reinforcement
- Theme bars
- Theme parks
- Reception / waiting rooms
- Airports, convention centers, hotels
- Business music systems
- Boardrooms & offices
- Cruise ships
- Retail outlets
- Houses of worship

FEATURES

- 5" (127mm) ICT™ Transducer for greater durability and longevity
- 90° controlled conical dispersion for optimum coverage and forward gain
- Weatherproof to IP33CS in EN60529
- Low insertion loss 30 Watt line transformer - for a more powerful and dynamic performance (i5T AW)
- Front baffle switch for line voltage settings (i5T AW)
- High power handling for higher output
- Phase coherent design for superior vocal articulation and music quality
- No crossover required - better phase, impedance and sensitivity response
- Extended bandwidth for high fidelity
- Yoke & gimbal mounting options for quick & easy installation
- Five year loudspeaker warranty

ARCHITECTURAL SPECIFICATIONS

The All Weather loudspeaker shall consist of a 127mm (5") full range single point source, constant directivity ICT™ transducer. The transducer shall be mounted into a vented, injection moulded enclosure weatherproof to IP33CS in EN60529.

The loudspeaker shall be used in 70 or 100 Volt distributed audio systems utilising the THP 30 high performance transformer with 30, 15, 7.5, 3.75* Watt taps available. An easily accessible selector switch shall be available on the front baffle for selecting settings.

Performance of the loudspeaker shall meet or exceed the following criteria; frequency response 1 metre on axis with swept sine wave shall be 80Hz - 22kHz +/- 3dB, sensitivity shall be at least 90dB (anechoic) for 2.83 Volts @ 1 metre. The dispersion of the loudspeaker shall be 90° conical.

The driver impedance and maximum power handling (without transformer) shall be 6 and 100 Watts respectively. The system shall be designed for use in all weather applications. The enclosure shall be an optimally tuned, vented enclosure, utilising a yoke and gimbal mount, and shall not exceed the following dimensions: 234 x 163 x 153mm or $9\frac{1}{4}$ x $6\frac{3}{8}$ x $6\frac{1}{8}$" (HxWxD).

This loudspeaker system shall be the Tannoy...i5 AW

*70 Volt versions only

TANNOY | ICT

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